RADCLIFFE

DISTRICT COUNCIL

CHAIRMAN - - JOHN SLINGSBY, ESQ, JP.

ANNUAL REPORT

ON THE SANITARY CONDITION OF THE DISTRICT
FOR THE YEAR 1902.

PRESENTED TO THE COUNCIL IN FEBRUARY, 1903.

BY

WILLIAM GILL,

L.R.C.P., &c., (Edin.),

Medical Officer of Health.

RADCLIFFE,

FEBRUARY, 1903.

GENTLEMEN,

The Medical Officer presented his Annual Report, which was read as follows, namely :—

I have the honour to present to you my Second Annual Report on the Health and Sanitary Condition of the District.

The population is estimated at 25,400, and the area in acres 3,098. The population is divided amongst the various Wards as follows :—

Ward.	Population.
Black Lane	7132
Radcliffe Hall	5936
Radcliffe Bridge	7547
Stand Lane	4785
Total	25 400

Appended are Tables giving statistics of the numbers of Births and Deaths in each Ward

The Births were as follows :—

Ward	Males	Females	Total.	Birth Rate
Black Lane	119	114	233	32·6
Radcliffe Hall	73	65	138	28·2
Radcliffe Bridge ...	119	99	218	26·8
Stand Lane	86	55	141	29·4
Whole District	397	333	730	28·7

These figures give a Birth Rate of 28·7 per thousand, as compared with 25·0 per thousand in 1901, and 27·0 per thousand in 1900.

The Deaths numbered 451 as compared with 464 in 1901, and are distributed as follows :—

Ward.	Males.	Females	Total	Death Rate
Black Lane	62	72	134	18·7
Radcliffe Hall ...	58	31	89	14·9
Radcliffe Bridge...	65	76	141	18·6
Stand Lane.....	46	41	87	18·1
Whole District	231	220	451	17·7

This mortality is equivalent to a Death Rate of 17·7 per thousand. as compared with 18·2 per thousand in 1901, and 18·2 per thousand also in 1900. With regard to the Ward Mortality rate per thousand, the comparison with last year is as follows :—

Ward.	Rate 1901.		Rate 1902.
Black Lane	18·6	...	18·7
Radcliffe Hall.....	18·0	...	14·9
Radcliffe Bridge.....	17·1	...	18·6
Stand Lane	19 8	...	18·1

It will be observed that the lowest mortality is in Radcliffe Hall Ward, and the highest in Black Lane Ward ; whereas last year the lowest was in Radcliffe Bridge Ward, and the highest in Stand Lane Ward.

Infantile Mortality. The deaths of Children under five years of age numbered 174, as compared with 172 in 1901. Of these 174 deaths 115 were under one year, as compared with 122 in 1901.

Infantile Mortality estimated in terms of the number of Deaths under one year per thousand Births, gives the following results for the last six years.

1897	1898	1899	1900	1901	1902
182	171	189	198	191	157

The Infantile Mortality Rate for 1902. is therefore the lowest for the past six years, and this is due to the absence of heat during last summer, and the consequent non-appearance of the usual summer diarrhœa, which in previous years was such a great factor in causing the infantile mortality to be high. The natural increase for the year is 279. as compared with 171 in 1901.

Zymotic Diseases The deaths from the seven principal zymotic diseases during 1901 and 1902 are as follows :—

Disease	1901.		1902.
Smallpox..	Nil	...	1
Scarlet Fever.....	6	...	Nil
Diphtheria and Membranous Croup	17	...	10
Enteric Fever	8	...	7
Measles	8	...	13
Whooping Cough	3	...	Nil
Diarrhœa	36	...	5

The total number of deaths from these zymotic diseases, was 36, as compared with 74 in 1901, and 77 in 1900. Zymotic death rates for the last seven years are as follows :—

1896	1897	1898	1899	1900	1901	1902
3·2	3·1	2·5	2·1	3·2	2·9	1·4

The Zymotic disease death rate for 1902 is therefore the lowest for the last seven years.

(See Returns on Pages 5 and 6).

Table shewing the cases of each Zymotic Disease notified in the Wards during the year.

	Black Lane Ward.	Radcliffe Hall Ward.	Radcliffe Bridge Ward.	Stand Lane Ward.	Total.
Smallpox	...	4	6	...	10
Scarlet Fever	12	15	10	9	46
Diphtheria	15	16	8	2	41
Membranous Croup..	...	...	...	1	1
Enteric Fever	11	11	17	8	47
Continued Fever.....	...	...	1	...	1
Puerperal Fever	2	...	...	1	3
Erysipelas	14	5	9	5	33

Table of Notifications for each month during 1902 :—

1902	Smallpox.	Scarlet Fever.	Diphtheria.	Membran's Croup.	Continued Fever.	Puerperal Fever.	Enteric Fever.	Erysipelas	Total.
January	...	1	4	...	...	...	4	2	11
February	...	2	5	...	...	...	2	...	9
March	...	...	6	...	...	...	6	5	17
April	...	7	2	...	...	...	5	3	17
May.....	...	1	6	...	...	...	4	3	14
June.....	...	2	2	...	...	1	5	6	16
July	...	1	1	...	1	...	6	2	11
August.....	...	9	...	...	...	...	1	1	11
September	...	9	1	1	...	...	2	3	16
October	2	7	9	...	...	...	5	3	26
November	2	5	2	...	...	...	5	2	16
December	6	2	3	...	...	2	2	3	18
Totals	10	46	41	1	1	3	47	33	182

Causes of, and Ages at, Death during 1902.

Causes of Death.	Deaths in or belonging to whole District at subjoined ages.							Deaths in or belonging to Wards at all ages.			
	All ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	Black Lane Ward.	Radcliffe Hall Ward	Radcliffe Bridge Ward	Stand Lane Ward.
1	2	3	4	5	6	7	8	9	10	11	12
Smallpox	1					1				1	
Measles	13	4	9					8		4	1
Diphtheria and membranous croup	10	3	6	1				3	4	2	1
Croup	2		1	1						1	1
Enteric Fever	7		1	1	1	4		2	1	2	2
Epidemic influenza	9				1	5	3	2		5	2
Diarrhœa	5	4				1		1	1	1	2
Enteritis	6	4	1			1		2	3		1
Puerperal fever	1					1		1			
Erysipelas	1					1			1		
Phthisis (Pulm. Tuberculosis)	31		1	1	6	21	2	11	8	2	10
Other Tubercular diseases	7	3	3	1				2	1	3	1
Cancer, malignant disease	9					7	2	3	2	3	1
Bronchitis	60	18	8	1		14	19	17	11	20	12
Pneumonia	31	4	7	1	2	15	2	9	6	12	4
Pleurisy	2					1	1		1	1	
Other diseases of Respiratory organs	7	1	3	2			1	2		3	2
Alcoholism / Cirrhosis of liver	4					3	1		1	2	1
Premature birth	16	16						3	1	9	3
Diseases and accidents of parturition	8				3	5		3	2	1	2
Heart diseases	19					11	8	6	4	5	4
Accidents	11		3		3	5		5	1	2	3
Suicides	1					1			1		
All other causes	190	58	16	8	5	54	49	54	40	62	34
All causes	451	115	59	17	21	151	88	134	89	141	87

Statistics from 1893 to 1902 (both inclusive) of births and deaths with rate, and also the averages for the nine years, 1893 to 1901.

Year.	Population estimated to Middle of each year.	Births.		Total Deaths Registered in the District				Deaths of Residents registered in Public Institutions beyond the District.	Nett Deaths at all Ages belonging to the District.	
				Under 1 year.		At all Ages.				
		Number	Rate.	Number	Rate per 1000 Births reg'ter'd	Number	Rate.		Number	Rate.
1	2	3	4	5	6	7	8	9	10	11
1893	20700	611	29·5	134	219	419	20·2		419	20·2
1894	25000	715	31·0	109	154	364	15·9		364	15 9
1895	25500	720	28·2	160	222	496	19 4		496	19 4
1896	26000	726	27·9	143	196	486	18 6		486	18·6
1897	26500	735	27·7	134	182	451	17·0		451	17·0
1898	26000	729	28·0	125	171	428	16·4		428	16·4
1899	26500	669	25·2	127	189	475	17·9		475	17·9
1900	27000	729	27·0	145	198	493	18·2		493	18·2
1901	25400	636	25·0	122	191	464	18·2	2	466	18·3
Averages for 9 years 1893-1901.	25400	696	27·7	133	191	452	17·9		453	17·9
1902	25400	730	28·7	115	157	427	16·8	24	451	17·7

Vital Statistics 1901-1902.

Names of Localities.	1. Black Lane Ward.				2. Radcliffe Hall Ward.				3. Radcliffe Bridge Ward				4. Stand Lane Ward.			
Year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.
1901	7123	207	133	33	5929	145	107	23	7538	192	129	42	4778	92	95	24
1902	7132	233	134	30	5936	138	89	16	7547	218	141	42	4785	141	87	27

During the year 182 cases have been notified as compared with 141 in 1901.

Small-pox. After seven years immunity small-pox has visited the district, though, I am glad to say not to a great extent. Ten cases have been notified with one death, six of them were in Radcliffe Bridge Ward, in which is situated the common lodging house and the other four occurred in Radcliffe Hall Ward and were distinctly traceable to one primary source of infection, namely, the cases arising from the lodging house. Every means for the prevention of the spread of the disease have been adopted. Immediate removal of the patients, thorough disinfection of the rooms and houses in which they lived, and prompt vaccination of, and a continual surveillance over, all those who had been in contact with them. The lodging house was inspected nightly and handbills describing the first signs and symptoms of small-pox were distributed in the district. It is a positive relief to know that a temporary small-pox hospital has been prepared and that we are therefore now in a better position than ever to cope with this disease.

Scarlet Fever. During the year 46 cases were notified in comparison with 6 cases in 1901 and 151 cases in 1900. All the notified cases recovered.

Diphtheria and Membranous Croup. 42 cases of these diseases were notified as compared with 53 in 1901, and ten deaths occurred from them during the year. Thirty one of the total number of cases were notified from Radcliffe Hall and Black Lane Wards. At the beginning of the year Diphtheria was very prevalent in Radcliffe Hall Ward, then seemed to diminish, but spread in Bury and Elton during the Autumn and Winter months. Black Lane Ward being contiguous to Elton it then appeared there. Radcliffe Bridge and Stand Lane Wards have been comparatively free from it.

Enteric Fever. 47 cases have been notified and seven deaths occurred, in comparison with 32 cases and eight deaths in 1901. As in 1900 and 1901 the greatest number of notifications were from Radcliffe Bridge Ward. I would suggest to the Council that ventilating shafts should be extensively employed and also that whenever an opportunity arises the water carriage system should be substituted for the midden privies. The Manholes throughout the district need regular inspection and the bottoms cleansing out at stated periods.

Diarrhœa. Only 5 deaths are recorded from diarrhœa as compared with 36 in 1901 and 27 in 1900. The probable reason for this is given under the heading of Infantile Mortality.

Erysipelas. 33 cases were notified, involving 1 death in comparison with 25 cases and 1 death in 1901.

Measles. This disease has been very prevalent, causing 13 deaths as compared with 8 in 1901 and 17 in 1900.

Phthisis caused 31 deaths, the same number as in 1901 and equal to a rate of 1·22 per thousand.

Bronchitis, Pneumonia, and Pleurisy. 93 deaths resulted from these diseases as compared with 98 in 1901. This is equal to a rate of 3·6 per thousand.

Heart Disease was responsible for 19 deaths, as compared with 38 in 1901 and 29 in 1900.

Injuries caused 11 deaths, compared with 10 in 1901.

Water Supply. During the year very few complaints were made regarding the water supply. I am led to believe that extensive arrangements for thorough filtration are being rapidly pushed forward by the Joint Water Board.

Milk Supply. Numerous samples of milk have been taken and examined, but no prosecutions have been necessary, the various samples being of good quality.

Cemetery. I trust that arrangements are being rapidly made by the Council for completing the Cemetery, as I consider that the principal Church Yard is a menace to the Health of the District.

Factory and Workshop Act, 1901. This Act came into force on the 1st of January, 1902. It repeals or consolidates all previous legislation on the subject, and imposes several new and important powers and duties on Medical Officers of Health and Local Authorities.

Workshops. There are 126 Workshops on the Register, 28 of them are Bakehouses, the majority employing females and young persons, the remainder being carried on by the members of the various

families. There are also Milliners, Dressmakers, Tailors, Boot and Shoemakers, and Cloggers.

Where females or young persons are employed, copies of the Abstract of 1901 relating to Workshops are filled up and posted according to the Act. The ventilation is satisfactory and all were found in a clean and sanitary condition except one Bakehouse where a gully trap was found inside the building. Notice was served and this was removed. No overcrowding was found and sanitary conveniences were satisfactory.

Factories. All the Factories have Fire Escapes connected with them and all have exits which provide means of escape. In all the sanitary conveniences were good except two. In one case the owner was summoned, and in the other notice was served. In both cases the defects have been remedied.

I append the report of Mr. Smith, Sanitary Inspector, from which you will see the large amount of routine work done in his department during the year.

Sanitary Inspector's Annual Report, 1902.

I have much pleasure in submitting to you my Third Annual Report being an account of the work carried out in the Health Department, during the year ending December 31st. 1902.

The past year has been a very busy one in this Department, owing to the additional work caused by the new Factory and Workshops Act, which came into operation on January 1st, 1902, this Act has placed on the Local Authority a great amount of responsibility, while the same power of supervising the work is left with the Factory Inspector.

The ordinary routine of the work was interfered with in January and February last owing to several falls of snow, still I have to report an increase in the number of times the Ashpits have been emptied which will be seen from the tabulated statement.

I have also to report that the work in the Street Scavenging Department although not yet satisfactory, is better than it formerly was as will be seen from the following statement, Spring Lane is now scavenged daily, Bridgefield and Church Streets, and the main roads about the centre of the town three times each week, Cross Lane twice,

and the rest of the District once, with the exception of a few of the side streets where the traffic is not so heavy, these are cleansed every alternate week, beside the above there are four persons with Hand Carts regularly employed to clear the Streets of Horse Manure.

There are also 895 Trapped and 1299 Untrapped Street gullies regularly emptied.

One owner of a Bakehouse has been reported during the year for Contravention of the Public Health Act relating to Bakehouses, the cause of complaint has been remedied.

The Slaughterhouses have been periodically visited, the attention of one occupier was drawn to the defective condition of the drain and surroundings, the same was remedied forthwith. All the others comply with the regulations as to cleanliness &c.

The Workshops have been periodically visited, and no cause of complaint with respect to cleanliness and Sanitary arrangements of same has been found. As regards Factories, one owner has been summoned for not having sufficient accommodation for the sexes, and notice has been served on another to provide pails in lieu of a large Cesspool, both infringements have been remedied.

The Market has been visited regularly by your Medical Officer of Health and myself, two seizures of unsound Fruit have been made, but no prosecutions instituted. The quality of Meat, Fruit, &c., is now of a better quality than formerly ; still there is room for improvement.

The Dairies, Cowsheds, and Milkshops have been inspected ; the new regulations came into operation on March 1st, 1902. Structural alterations are needed at some of the Farms to bring the Cowsheds into compliance with the regulations , these are having attention, and will be reported upon in due course. Fifty samples of milk have been taken during the year, the quality of same causing no complaint.

During the year I have made 70 visits to the Canal Bank, and inspected 29 boats, some of them several times. No infectious disease was found on board. I found 5 infringements of the Canal Boats Act, on 4 boats, 2 boats wanted painting, 3 without water-casks. Promises have been made to have these defects remedied. There have been two calls to Fires during the year, but no need to connect the Hose-pipes ; the damage was very slight in both cases.

Summary of Nuisances abated and Works carried out :

Number of Loads of Street Sweepings removed, 2070 @ 18 cwt ...	1863	tons
Number of Ashpits emptied	33451	
To Number of Houses, averaging 12¼ times for the year, or once every 4 1-3 weeks	72563	
Number of Loads of Refuse taken to the Destructor, 2184 @ 25 cwt =	2730	tons
Number of Loads of Refuse taken to the Tips, 3792 @ 25 cwt =	4740	,,
Number of Loads of Excreta taken to the Farmers, 3968 @ 25 cwt ...	4960	,,
Total number of Loads of Nightsoil removed, 9944 @ 25 cwt ...	12430	,,
Gully Traps affixed	131	
Brick Drains taken out	108	
New Tile Drains laid ...	202	
Ventilation Shafts on Drains when re-constructed ...	13	
Defective Drains repaired	108	
Blocked Drains cleaned out	162	
Defective Waste Pipes repaired...	236	
Defective Down, and Eaves Spouts repaired	65	
New Ashpits in lieu of defective or insufficient Ashpits	54	
New Privies in lieu of defective or insufficient Privies	61	
New Wash-down Water Closets in lieu of Privies.....	4	
New Waste Water Closets in lieu of Privies	17	
Pail Closets to Factories in lieu of two cesspools	18	
Ashpits filled in and concreted	118	
Defective Ashpits covered and repaired ...	30	
Defective Ashpits	107	
Defective Privies repaired	195	
Houses disinfected	184	
Steam turned into Public Sewers (complaints of)	4	
Back Premises cleansed after informal notice.....	105	
Nuisances abated and not classified	16	
Smoke Observations taken.....	48	

Notices have been given to the Surveyor of Street drains choked affecting 80 grids, these were all remedied at the earliest opportunity.

Dairies and Cowsheds periodically inspected (Lime-washed and clean)	33	

Slaughterhouses periodically inspected (Lime-washed and clean	17
Offensive Trade Works periodically inspected (Lime-washed and clean)	5
Bakehouses periodically inspected (Lime-washed and clean).....	26
Workshops periodically inspected (Lime-washed and clean).....	100
Common Lodging House regularly inspected (Lime-washed and clean)	1